

1 / 3 LGST (1 / 1) - ©LEGSTAT
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US 5852651 [US5852651]
AP

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US 299159/94 19940831 [1994US-0299159]
DT

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US-P
ACT

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19940831 US/AE-A
APPLICATION DATA (PATENT)
US 299159/94 19940831 [1994US-0299159]

19970620 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
ADC TELECOMMUNICATIONS, INC. 4900 WEST 78TH STREET BLOOMINGTON,
MINNESOTA 55435 *
FISCHER, LARRY G. : 19970519; RATLIFF, CHARLES R. : 19970530; WALA, PHILIP M. :
19970513

19981222 US/A
PATENT

20010220 US/RF
REISSUE APPLICATION FILED
20001222
UP

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2001-08

2 / 3 CRXX (1 / 1) - ©CLAIMS/RRX
AN

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3089587
PN

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5,852,651 A 19981222 [US5852651]
PA

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ADC Telecommunications Inc
PT

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E (Electrical)
ACT

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20001222 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010220
REISSUE REQUEST NUMBER: 09/747273
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2744

Reissue Patent Number:

UP

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2001-08

UACT

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2001-02-20

3 / 3 PAST (1 / 1) - ©PAST

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200108-001171

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5852651 A [US5852651]

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A (UTILITY)

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2001-02-20

CO

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REA

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REISSUE APPLICATION FILED

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REISSUE APPLICATION FILED

2/9/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat
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12118367

Basic Patent (No,Kind,Date): WO 9428690 A1 19941208 <No. of Patents: 012>

PATENT FAMILY:

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9470454 A1 19941220
CELLULAR RADIO SYSTEM WITH CENTRALIZED LOCATED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (English)
Patent Assignee: ADC TELECOMMUNICATIONS INC
Author (Inventor): RUSSELL DAVID S; FISCHER LARRY G; WALA PHILIP M;
RATLIFF CHARLES R; BRENNAN JEFFREY
Priority (No,Kind,Date): US 68389 A 19930528; US 183221 A
19940114; US 204660 A 19940302; WO 94US5897 W 19940525
Applic (No,Kind,Date): AU 9470454 A 19940525
IPC: * H04Q-007/04; H04B-010/12
Derwent WPI Acc No: * G 95-023214
Language of Document: English

BRAZIL (BR)

Patent (No,Kind,Date): BR 9406730 A 19970527
SISTEMA DE COMUNICACOES MICROCELULAR E PROCESSOS DE DESDOBRAMENTO
ESCALONADO DE UM SISTEMA DE COMUNICACOES MICROCELULAR DIGITAL DE
COMUTACAO PASSIVA E DE SETORIZACAO DA COBERTURA SOBRE UMA AREA DE
COMUNICACOES CELULAR (Portugese)
Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
Author (Inventor): RUSSELL DAVID S; FISCHER LARRY G; WALA PHILIP M;
RATLIFF CHARLES R; BRENNAN JEFFREY
Priority (No,Kind,Date): US 68389 A 19930528; US 183221 A
19940114; US 204660 A 19940302; WO 94US5897 W 19940525
Applic (No,Kind,Date): BR 94U6730 A 19940525
IPC: * H04Q-007/04; H04B-010/12
Derwent WPI Acc No: * G 95-023214
Language of Document: Portugese

CHINA (CN)

Patent (No,Kind,Date): CN 1127056 A 19960717
CELLULAR RADIO SYSTEM WITH CENTRALIZED LOCATED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (English)
Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
Author (Inventor): RUSSELL DAVID S (US); FISCHER LARRY G (US);
PHILIP M WALA (US)
Priority (No,Kind,Date): US 68389 A 19930528; US 183221 A
19940114; US 204660 A 19940302
Applic (No,Kind,Date): CN 94192782 A 19940525
IPC: * H04Q-007/22; H04B-010/12
Derwent WPI Acc No: * G 95-023214
Language of Document: Chinese
Patent (No,Kind,Date): CN 1065402 B 20010502
CELLULAR RADIO SYSTEM AND METHOD FOR TRANSMISSION CELLULAR HONE TO
ESTATE (English)
Patent Assignee: ADC TELECOMM INC (US)
Author (Inventor): RUSSELL D S (US); FISCHER L G (US); WALA P M
(US)
Priority (No,Kind,Date): US 68389 A 19930528; US 183221 A
19940114; US 204660 A 19940302
Applic (No,Kind,Date): CN 94192782 A 19940525
IPC: * H04Q-007/22; H04B-010/12
Derwent WPI Acc No: * G 95-023214
Language of Document: Chinese

JAPAN (JP)

Patent (No,Kind,Date): JP 8510878 T2 19961112
Priority (No,Kind,Date): WO 94US5897 W 19940525; US 68389 A
19930528; US 183221 A 19940114; US 204660 A 19940302
Applic (No,Kind,Date): JP 94525837 A 19940525

IPC: * H04Q-007/36; H04B-010/20
Derwent WPI Acc No: * G 95-023214
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5621786 A 19970415
CELLULAR COMMUNICATIONS SYSTEM HAVING PASSIVE HANDOFF (English)
Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
Author (Inventor): FISCHER LARRY G (US); WALA PHILIP M (US); BRENNAN
JEFFREY (US)
Priority (No,Kind,Date): US 294742 A 19940823; US 204660 A3
19940302; US 183221 B2 19940114; US 68389 B2 19930528; US 946402
B2 19920917; US 946964 B2 19920917; US 946931 B2 19920917; US
946548 B2 19920917
Applic (No,Kind,Date): US 294742 A 19940823
National Class: * 379060000; 379059000; 455033100; 455033200;
455033300; 455033400; 370331000

IPC: * H04Q-007/22
Derwent WPI Acc No: * G 95-023214
Language of Document: English

Patent (No,Kind,Date): US 5627879 A 19970506
CELLULAR COMMUNICATIONS SYSTEM WITH CENTRALIZED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (English)
Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
Author (Inventor): RUSSELL DAVID S (US); FISCHER LARRY G (US); WALA
PHILIP M (US); RATLIFF CHARLES R (US); BRENNAN JEFFREY (US)
Priority (No,Kind,Date): US 204660 A 19940302; US 183221 B2
19940114; US 68389 B2 19930528; US 946402 B2 19920917; US 946964
B2 19920917; US 946931 B2 19920917; US 946548 B2 19920917
Applic (No,Kind,Date): US 204660 A 19940302
National Class: * 379059000; 455033100; 455033200; 455033300;
455033400; 379060000; 370328000

IPC: * H04Q-007/22
Derwent WPI Acc No: * G 95-023214
Language of Document: English

Patent (No,Kind,Date): US 5642405 A 19970624
CELLULAR COMMUNICATIONS SYSTEM WITH CENTRALIZED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (English)
Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
Author (Inventor): FISCHER LARRY G (US); WALA PHILIP M (US); BRENNAN
JEFFREY (US)
Priority (No,Kind,Date): US 298652 A 19940831; US 204660 A3
19940302; US 183221 B2 19940114; US 68389 B2 19930528; US 946402
B2 19920917; US 946964 B2 19920917; US 946931 B2 19920917; US
946548 B2 19920917
Applic (No,Kind,Date): US 298652 A 19940831
Addnl Info: 5627879 Patented
National Class: * 379060000; 379059000; 455033100; 455033200;
455033300; 455033400

IPC: * H04Q-007/22
Derwent WPI Acc No: * G 95-023214
Language of Document: English

Patent (No,Kind,Date): US 5644622 A 19970701
CELLULAR COMMUNICATIONS SYSTEM WITH CENTRALIZED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (English)
Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
Author (Inventor): RUSSELL DAVID S (US); FISCHER LARRY G (US)
Priority (No,Kind,Date): US 409738 A 19950323; US 204660 A3
19940302; US 183221 B2 19940114; US 68389 B2 19930528; US 946402
B2 19920917; US 946964 B2 19920917; US 946931 B2 19920917; US
946548 B2 19920917

Applic (No,Kind,Date): US 409738 A 19950323
National Class: * 455422000; 359173000; 359152000; 370338000
IPC: * H04Q-007/22

Derwent WPI Acc No: * G 95-023214
Language of Document: English

Patent (No,Kind,Date): US 5657374 A 19970812
CELLULAR COMMUNICATIONS SYSTEM WITH CENTRALIZED BASE STATIONS AND
DISTRIBUTED ANTENNA UNITS (English)

Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
 Author (Inventor): RUSSELL DAVID S (US); FISCHER LARRY G (US); WALA PHILIP M (US)
 Priority (No,Kind,Date): US 410129 A 19950323; US 204660 A3 19940302; US 183221 B2 19940114; US 68389 B2 19930528; US 946402 B2 19920917; US 946964 B2 19920917; US 946931 B2 19920917; US 946548 B2 19920917
 Applic (No,Kind,Date): US 410129 A 19950323
 National Class: * 370328000; 455422000
 IPC: * H04Q-007/22
 Derwent WPI Acc No: * G 95-023214
 Language of Document: English
 Patent (No,Kind,Date): US 5852651 A 19981222
 CELLULAR COMMUNICATIONS SYSTEM WITH SECTORIZATION (English)
 Patent Assignee: ADC TELECOMMUNICATIONS INC (US)
 Author (Inventor): FISCHER LARRY G (US); RATLIFF CHARLES R (US); WALA PHILIP M (US)
 Priority (No,Kind,Date): US 299159 A 19940831; US 204660 A3 19940302; US 183221 B2 19940114; US 68389 B2 19930528; US 946402 B2 19920917; US 946964 B2 19920917; US 946931 B2 19920917; US 946548 B2 19920917
 Applic (No,Kind,Date): US 299159 A 19940831
 Addnl Info: 5627879 Patented
 National Class: * 379056200; 455562000; 359152000
 IPC: * H04Q-007/30
 Derwent WPI Acc No: * G 95-023214
 Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 5621786	P	19920917	US AA	PRIORITY
			US 946402 B2	19920917
US 5621786	P	19920917	US AA	PRIORITY
			US 946548 B2	19920917
US 5621786	P	19920917	US AA	PRIORITY
			US 946931 B2	19920917
US 5621786	P	19920917	US AA	PRIORITY
			US 946964 B2	19920917
US 5621786	P	19930528	US AA	PRIORITY
			US 68389 B2	19930528
US 5621786	P	19940114	US AA	PRIORITY
			US 183221 B2	19940114
US 5621786	P	19940302	US AA	PRIORITY
			US 204660 A3	19940302
US 5621786	P	19940823	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 294742 A	19940823
US 5621786	P	19970415	US A	PATENT
US 5621786	P	19971118	US CC	CERTIFICATE OF CORRECTION
US 5627879	P	19920917	US AA	PRIORITY
			US 946402 B2	19920917
US 5627879	P	19920917	US AA	PRIORITY
			US 946548 B2	19920917
US 5627879	P	19920917	US AA	PRIORITY
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US 5627879	P	19920917	US AA	PRIORITY
			US 946964 B2	19920917
US 5627879	P	19930528	US AA	PRIORITY
			US 68389 B2	19930528
US 5627879	P	19940114	US AA	PRIORITY
			US 183221 B2	19940114
US 5627879	P	19940302	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 204660 A	19940302
US 5627879	P	19940705	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
			ADC TELECOMMUNICATIONS 4900 WEST 78TH STREET	
			MINNEAPOLIS, MINNESOTA 55435 ; RUSSELL, DAVID	
			S. : 19940628; FISCHER, LARRY G. : 19940620;	

WALA, PHILIP M. : 19940620; RATLIFF, CHARLES
R. : 19940523;

US 5627879	P	19970506	US A	PATENT
US 5642405	P	19920917	US AA	PRIORITY
		US 946402	B2	19920917
US 5642405	P	19920917	US AA	PRIORITY
		US 946548	B2	19920917
US 5642405	P	19920917	US AA	PRIORITY
		US 946931	B2	19920917
US 5642405	P	19920917	US AA	PRIORITY
		US 946964	B2	19920917
US 5642405	P	19930528	US AA	PRIORITY
		US 68389	B2	19930528
US 5642405	P	19940114	US AA	PRIORITY
		US 183221	B2	19940114
US 5642405	P	19940302	US AA	PRIORITY
		US 204660	A3	19940302
US 5642405	P	19940831	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 298652	A	19940831
US 5642405	P	19970624	US A	PATENT
US 5644622	P	19920917	US AA	PRIORITY
		US 946402	B2	19920917
US 5644622	P	19920917	US AA	PRIORITY
		US 946548	B2	19920917
US 5644622	P	19920917	US AA	PRIORITY
		US 946931	B2	19920917
US 5644622	P	19920917	US AA	PRIORITY
		US 946964	B2	19920917
US 5644622	P	19930528	US AA	PRIORITY
		US 68389	B2	19930528
US 5644622	P	19940114	US AA	PRIORITY
		US 183221	B2	19940114
US 5644622	P	19940302	US AA	PRIORITY
		US 204660	A3	19940302
US 5644622	P	19950323	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 409738	A	19950323
US 5644622	P	19970701	US A	PATENT
US 5657374	P	19920917	US AA	PRIORITY
		US 946402	B2	19920917
US 5657374	P	19920917	US AA	PRIORITY
		US 946548	B2	19920917
US 5657374	P	19920917	US AA	PRIORITY
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US 5657374	P	19920917	US AA	PRIORITY
		US 946964	B2	19920917
US 5657374	P	19930528	US AA	PRIORITY
		US 68389	B2	19930528
US 5657374	P	19940114	US AA	PRIORITY
		US 183221	B2	19940114
US 5657374	P	19940302	US AA	PRIORITY
		US 204660	A3	19940302
US 5657374	P	19950323	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 410129	A	19950323
US 5657374	P	19970812	US A	PATENT
US 5657374	P	19980630	US CC	CERTIFICATE OF CORRECTION
US 5852651	P	19920917	US AA	PRIORITY
		US 946402	B2	19920917
US 5852651	P	19920917	US AA	PRIORITY
		US 946548	B2	19920917
US 5852651	P	19920917	US AA	PRIORITY
		US 946931	B2	19920917
US 5852651	P	19920917	US AA	PRIORITY
		US 946964	B2	19920917
US 5852651	P	19930528	US AA	PRIORITY
		US 68389	B2	19930528
US 5852651	P	19940114	US AA	PRIORITY

US 5852651 P 19940302 US AA 19940114 PRIORITY
 US 5852651 P 19940831 US AE 19940302 APPLICATION DATA (PATENT)
 (APPL. DATA (PATENT))
 US 5852651 P 19970620 US AS02 19940831 ASSIGNMENT OF ASSIGNOR'S
 INTEREST
 ADC TELECOMMUNICATIONS, INC. 4900 WEST 78TH
 STREET BLOOMINGTON, MINNESOTA 55435 ;
 FISCHER, LARRY G. : 19970519; RATLIFF,
 CHARLES R. : 19970530; WALA, PHILIP M. :
 19970513
 US 5852651 P 19981222 US A PATENT
 US 5852651 P 20010220 US RF REISSUE APPLICATION FILED
 (REISSUE APPL. FILED)
 20001222

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9428690 A1 19941208
 CELLULAR RADIO SYSTEM WITH CENTRALIZED LOCATED BASE STATIONS AND
 DISTRIBUTED ANTENNA UNITS (English)
 Patent Assignee: ADC TELECOMMUNICATIONS INC (US); RUSSELL DAVID S
 (US); FISCHER LARRY G (US); WALA PHILIP M (US); RATLIFF CHARLES R
 (US); BRENNAN JEFFREY (US)
 Author (Inventor): RUSSELL DAVID S (US); FISCHER LARRY G (US); WALA
 PHILIP M (US); RATLIFF CHARLES R (US); BRENNAN JEFFREY (US)
 Priority (No,Kind,Date): US 68389 A 19930528; US 183221 A
 19940114; US 204660 A 19940302
 Applic (No,Kind,Date): WO 94US5897 A 19940525
 Designated States: (National) AT; AU; BB; BG; BR; BY; CA; CH; CN; CZ;
 DE; DK; ES; FI; GB; GE; HU; JP; KG; KP; KR; KZ; LK; LU; LV; MD; MG;
 MN; MW; NL; NO; NZ; PL; PT; RO; RU; SD; SE; SI; SK; TJ; TT; UA; UZ;
 VN (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC;
 NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG
 Filing Details: WO 130000 With international search report; Before
 expiration of time limit for amending the claims and to be
 republished in the event of the receipt of the amendments
 IPC: * H04Q-007/04; H04B-010/12
 Derwent WPI Acc No: * G 95-023214; G 95-023214
 Language of Document: English

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No,Type,Date,Code,Text):
 WO 9428690 P 19930528 WO AA PRIORITY (PATENT)
 US 68389 A 19930528
 WO 9428690 P 19940114 WO AA PRIORITY (PATENT)
 US 183221 A 19940114
 WO 9428690 P 19940302 WO AA PRIORITY (PATENT)
 US 204660 A 19940302
 WO 9428690 P 19940525 WO AE APPLICATION DATA (APPL.
 DATA)
 WO 94US5897 A 19940525
 WO 9428690 P 19941208 WO AK DESIGNATED STATES CITED IN A
 PUBLISHED APPLICATION WITH SEARCH REPORT
 (DESIGNATED STATES CITED IN A PUBLISHED APPL.
 WITH SEARCH REPORT)
 AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB
 GE HU JP KG KP KR KZ LK LU LV MD MG MN MW NL
 NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN
 WO 9428690 P 19941208 WO AL DESIGNATED COUNTRIES FOR
 REGIONAL PATENTS CITED IN A PUBLISHED
 APPLICATION WITH SEARCH REPORT (DESIGNATED
 COUNTRIES FOR REGIONAL PATENTS CITED IN A
 PUBLISHED APPL. WITH SEARCH REPORT)
 AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT
 SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
 WO 9428690 P 19941208 WO A1 PUBLICATION OF THE
 INTERNATIONAL APPLICATION WITH THE

INTERNATIONAL SEARCH REPORT (PUB. OF THE
INTERNATIONAL APPL. WITH THE INTERNATIONAL
SEARCH REPORT)

WO 9428690	P	19950216	WO DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE
WO 9428690	P	19950315	WO 121	EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))
WO 9428690	P	19960314	DE 8642/REG	WITHDRAWAL (ZURUECKNAHME)
WO 9428690	P	19960904	WO 122	EP: PCT APP. NOT ENT. EUROP. PHASE (EP: PCT ANM. NICHT IN EUROP. PHASE EING.)
WO 9428690	P	19970128	WO NENP	NON-ENTRY INTO THE NATIONAL PHASE IN: CA

LEVEL 1 - 1 OF 1 PATENT

5,852,651

<=2> GET 1st DRAWING SHEET OF 58

Dec. 22, 1998

Cellular communications system with sectorization

REISSUE: Reissue Application filed Dec. 22, 2000 (O.G. Feb. 20, 2001) Ex. Gp.:
2744; Re. S.N. 09/747,273

CORE TERMS: channel, antenna, station, digital, digitized, remote, receiver,
zone, transmitter, cell...

LEXIS-NEXIS
Library: PATENT
File: ALL

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5852651 OR 5,852,651

LEXIS-NEXIS
Library: PATENT
File: JNLS

Your search request has found no ITEMS.

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To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5852651 OR 5,852,651

LEXIS-NEXIS
Library: NEWS
File: CURNWS

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To enter a new search request, type it and press the ENTER key.

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For further explanation, press the H key (for HELP) and then the ENTER key.